



Snow Sensors for SEBA-AWS

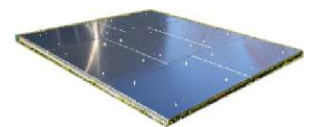
Additional sensors for use with SEBA meteorological stations



Snow Sensors for MET Station



Ultrasonic snow depth sensor



Snow Scale



Multi Snow Temperature sensor



Meteorology

Weather Station on Italian Glacier



Meteorology

Snow Depth Sensor



Meteorology

Weather Station in the Czech Republic



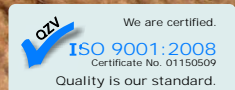
Meteorology

Installation of Snow Scale



Meteorology

AWS in Italy



Snow Scale

for automatic measurement of snow water equivalent (SWE) and snow layer weight

measuring range: 3 ranges: 0 to 200 mm SWE,
0 to 500 mm SWE,
0 to 1000 mm SWE

resolution: 0,1 kg/m² 0,1 mm SWE (*)

accuracy: 0,3%

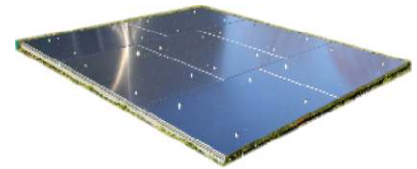
measuring surface: 6,72 m²

protection class: IP 68

dimensions: 2800 x 2400 x 70 (LxWxH)

total weight: 110 kg

operating temperature: -40 ... + 80°C



- easy handling and installation thanks to modular assembly
- light aluminium plate construction - high reliability under extreme conditions
- no antifreeze liquid required

* All declarations of weight and accuracy referring to standardised weights

Snow Depth Sensor - ultrasonic

for non-contact distance and depths measurement

Snow Depth

measuring range: 0 to 8m

resolution: 1mm

accuracy: 0,1% (FS)

principle: ultrasonic (frequency 50 kHz, beam width 12°)

Temperature

measuring range: -40...+60°C

resolution: 0,1°C

non-linearity: < 0,15 %

principle: semiconductor; external sensor in air-cooled radiation shield

interface: analogue 0/4...20mA; resolution 12 Bit; max load 300 Ohm

power supply: supply voltage: 10,5...15 V_{DC}
current consumption: max. 200 mA (measuring phase, approx. 3 seconds)

dimensions: Ø 110mm; length: 350mm

weight: 2 kg

operating temperature: -40... +60°C



Multi Snow Temperature Sensor

for automatic measurement of snow temperature in 9 different depths

measuring range: -30 ... +50°C

accuracy: 0,1°C

output: 0-1 V

material: stainless steel

dimensions: Ø 22 mm

connection: 4 connection wires per sensor

including a mast of 3,60 m for installation



Detail
of 1 of the 9 sensors



entire mast
with 9 sensors

The right is reserved to change or amend the foregoing technical specification without prior notice.



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